507/76-33-2-21/45

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5(4) AUTHORS:

Ryss, I. G., Idel's, S. L.

TITLE:

Kinetics of the Hydrolysis of Boron Ammine Trifluoride, H3N:BF3 (Kinetika gidroliza triftor-ammin-bora, H3N:BF3)

PERIODICAL:

Zhurnal fizicheskoy khimii, 1959, Vol 33, Nr 2,

pp 374 - 380 (USSR)

ABSTRACT:

A method is described which (as it differs from previous experiments in reference 1) makes possible a determination of boron ammine trifluoride (I) in the presence of its hydrolysis products. A study of the hydrolysis kinetics of (I) could be carried out by determining the concentration of (I) as a function of the time without the BF<sub>4</sub> ions produced in the reaction affecting the experimental results. The H<sub>3</sub>N:BF<sub>3</sub> was obtained by reacting ammonia and boron fluoride in benzene in a reaction vessel (Fig 1), and its fine crystalline powder was found to be readily soluble in water. The hydrolysis kinetics of (I) were titrimetrically determined in a solution neutral to methyl orange using an excess of CaCl<sub>2</sub> and applying a TS-15 thermostat.

Card 1/3

Kinetics of the Hydrolysis of Boron Ammine Trifluoride, SOV/76-33-2-21/45  $H_3N:BF_3$ 

The experimental results obtained chowed (Fig 2) that the hydrolysis of (I) is a reaction of the first order and is not cutalyzed by hydrogen ions (Table 1), since the molecule H<sub>3</sub>N:BF<sub>3</sub> possesses no charge. The function of the rate constant in dependence upon the temperature can be represented by a straight line

lg k' = 14.70 -  $\frac{5945}{T}$  (2). This equation corresponds to an activation energy E = 27.2 kcal/mol and an activation entropy  $\Delta S_{7}^{+}$  = 3.2 cal/degree. The mechanism of the hydrolysis of the various double salts of boron fluoride will be treated in detail in a later paper. Preliminary experiments showed that the hydrolysis of the  $H_{3}N:BF_{3}$  is markedly accelerated

in the presence of F and especially by OH ions. A hydrolysis mechanism for (I) is given, and it is mentioned that the hydrolysis of (I) in a NaF solution occurs in two parallel processes (in three including the effect of the OH ions). There are 4 figures, 3 tables, and 6 references, 4 of which are Soviet.

Card 2/3

#### "APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00051832

Kinetics of the Hydrolysis of Boron Ammine Trifluoride, H3N:BF3

SOV/76-33-2-21/45

ASSOCIATION:

Dnepropetrovskiy institut inzhenerov zheleznodorozhnogo transporta (Dnepropetrovsk Institute for Railroad Transportation

Engineering)

SUBMITTED:

July 15, 1957

Card 3/3

InEL'S, S.L. Card Chem Sci (diss) "Investigation of the properties of the coordinating compounds of boron fluorides containing amines." Dnepropetrovsk, 1960, 16 pp (Dnepropetrovsk Chemico-technological Institute im F. E. Dzerzhinskiy) (KL, 3.-60, 120)

86191

S/078/60/005/008/026/031/XX B023/B066

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AUTHORS:

Ryss, I. G., Idel's, S. L.

TITLE:

Kinetics of Hydrolysis of Dimethyl-amino Boron Trifluoride

PERIODICAL:

Zhurnal neorganicheskoy khimii, 1960, Vol. 5, No. 8,

pp. 1756-1760

TEXT: Following their previous papers (Refs. 1-5) the authors studied the kinetics of hydrolysis of dimethyl-amino boron trifluoride,  $F_3B:NH(CH_3)_2$ . The compound was obtained by reaction of the carefully dried components in the presence of a benzene-ether mixture. Dimethyl-amino boron trifluoride is a colorless substance. When slowly heated in a closed capillary it melts at 50-51°C. It is sparingly solucle in benzene and easily soluble in ether, methanol, and water. Hydrolysis of  $F_3B:NH(CH_3)_2$  is a first-order reaction which proceeds according to the mechanism  $S_N^{-1}$ . Its rate constant (in min 1) as a function of temperature is expressed by the following equation:  $log(0.4343 \text{ k}) = 16.21 - \frac{6972}{T}$ . Its activation energy E Card 1/2

#### 86191

Kinetics of Hydrolysis of Dimethyl-amino Boron Trifluoride

S/078/60/005/008/026/031/XX B023/B066

equals 31.9 kcal; the activation entropy  $\Delta S^{\dagger} = 7.2$  entropy units. The values of E and  $\Delta S^{\dagger}$  are in good agreement with the data of Ref. 2 where E and  $\Delta S^{\dagger}$  were found to depend on the pK of the amine for the coordination compounds of BF<sub>3</sub> with amines. The hydrolysis of F<sub>3</sub>B: NH(CH<sub>3</sub>)<sub>2</sub> is accelerated by the presence of F ions. In a strongly alkaline medium F<sub>3</sub>B: NH(CH<sub>3</sub>)<sub>2</sub> is decomposed rapidly. The mechanism of the action of OH and F ions is analogous to that of the hydrolysis of BF<sub>3</sub> compounds with ammonia and methylenamine (Refs. 3,4). There are 4 figures, 2 tables, and 7 references: 5 Soviet, 1 US, and 1 British.

ASSOCIATION: Dnepropetrovskiy institut inzhenerov zheleznodorozhnogo transporta (Dnepropetrovsk Institute of Railroad Engineers)

SUBMITTED: February 7, 1959

Card 2/2

RYSS, I.O.; IDEL'S, S.L.

Kinetics of the hydrologsis of boron trifluoride trimethlamine. Zhur. neorg. khim. 5 no.8:1761-1767 Ag '60. (MIRA 13:9)

1. Dnepropetrovskiy transportnyy institut.
(Boron trifluoride)

NYSS, I.G.; IDEL'S, S.L.

Synthesis of methylaminotrifluoroborine, its properties and the

kinetics of hydrolysis. Izv.vys.ucheb.zav.; khim.i khim.tekh.
5 no.1:70-74 162. (MIRA 15:4)

1. Dnepropetrovskiy institut inzhenerov zheleznodorozhnogo transporta, kafedra khimii.

(Borine) (Hydrolysis)

RYSS, I.G.; IDEL'S, S.L.

Triethylaminofluoroborine. Zhur.neorg.khim. 7 no.12:2674-2677 D '62. (MIRA 16:2)

1. Dnepropetrovskiy transportnyy institut.
(Borine)

RYSS, 1.G.; INEL'S, S.L.

Synthesis and properties of K[F3BONH2]. Thur. neorg. khim. 10 (MIRA 18:7) no.3:714-716 Mr '65.

1. Dnepropetrovskiy institut inzhenerov zhelezhodorozhnogo transporta.

RYSS, I.O.; HFL'S, S.L.

Kinetics of the hydrolyses of the compound formed by boron trifluoride with trimethylamino oxide: F<sub>3</sub>B:ON(CH<sub>3</sub>)<sub>3</sub>. Zhur. neorg.khim. 10 no.4:786-791 Ap 165. (MIRA 18:6)

1. Deprovetrovskiy institut inzhenerov zheleznodorozhnogo transporte.

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20,50



KAPLYANSKIY, Aleksandr Yevseyevich; IDEL'SON, E.I., red.; LEONOVA, B.I., tekhn.red.

[Methods of teaching the theoretic fundamentals of electrical engineering] Metodika preporavaniia teoreticheskikh osnov elektrotekhniki. Moskva, Gos.energ.isd-vo, 1959. 129 p.

(MIRA 13:3)

(Electric engineering -- Study and teaching)

IDEL'SON, E.M.

124-11-12460

Translation from: Referativnyy Zhurnal, Mekhanika, 1957, Nr 11, p 19 (USSR)

AUTHOR: Idel'son, E. M.

TITLE: Scale calculation for a multiplier-connector mechanism and the

sensing element of an altitude recorder. (Rascl.: shkaly peredatochnomnozhitel'nogo mekhanizma i chuvstvitel'nogo elementa vysotopistsa)

PERIODICAL: Tr. Leningr. in-ta aviats. priborostr., 1956, No. 1 200

ABSTRACT: Outlines a design method for an altitude recorder consisting of a corrugated membrane sensor, a connecting mechanism, and a rotating drum carrying a paper band. The recording pen is fastened to a

link of a hinged four-bar linkage which is attached to an eccentric crank/connecting-rod mechanism, the piston of which, in turn, is

attached to the membrane.

(V. A. Zinov'yev)

Card 1/1

APPROVED FOR RELEASE! Thursday, July 27, 2000

285 CIA-RDP86-00513R0005

Idel'son, E.M., Povalyayev, A.V.

Rukovodstvo k laboratornym rabotam po kursu "Aviatsionnyye pribory" (Laboratory Manual for the Course in Aircraft Instruments)
Leningrad, 1957. 170 p. 600 copies printed.

Sponsoring Agency: Leningradskiy institut aviatsionnogo priborostroyeniya.

Tech. E.: El'kin, Ye.G.

PURPOSE: This is a manual for students taking courses in "Aircraft Instruments"

COVERAGE: This is the second part of a student's laboratory manual describing in separate lessons ten categories of aircraft instruments, explaining the theory of their operation, problems in troubleshooting, and instrument errors and their correction. The following types of instruments are mentioned: two-pointer aneroid

Card 1/4

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# "APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00051832

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Lesson No. electrical	26. Rheostat remote transmission remote indicating manometer	as in the	
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BASKAKOV, V.S.; VIKHLYAYEV, V.M.; GAVRILOV, R.I.; GREBNEV, P.A.; ZHEMCHUZHNIKOVA, Ye.Ye.; IDHL'SON, I.D.; MEH'SHIKOV, N.S.; MOROZOVA, Yu.G.;
POPOV, V.A.; FEDOROV, S.F.; PAVLOV, Ya.M., dotsent, kandidat tekhnicheskikh nauk, redaktor; ZHIGLINSKIY, A.A., inzhener, redaktor;
RUNICH, K.H., inzhener, redaktor; SOKOLOVA, L.V., tekhnicheskiy
redaktor

[A collection of drawings for parts used in machine building] Sbornik mashinostroitel nykh cherteshei dlia detalirovok. Isd. 2-oe, dop. i perer. Hoskva, Gos. nauchno-tekhn. isd-vo mashinostroit. lit-ry, 1956. 1 v., 50 1.

(MCRA 10:2)

(Machinery--Design)

IDEL'SON, Iya Dmitriyevna; MEN'SHIKOV, N.S., red.

[Construction of the line of intersection of surfaces of geometrical bodies; textbook on descriptive geometry] Postroenie linii peresecheniia poverkhnostei geometricheskikh tel; posobie po kursu nachertatel'noi geometrii. Leningrad, Leningr. politekhn. in-t im. M.I.Kalonina, 1965. 65 p. (MIRA 18:4)

IDEL'SON, I. I.

The following is among dissertations of the Leningrad Polytechnic Institute imeni Kalinin:

"Investigation of the Tracking System of Low-Strength Alternating Current." 11 June 1951. An examination is made of the rather widespread in automation tracking system of alternating current with an electronic amplifier and two-phase condensor electric motor with a hollow rotor (fixed magnetic system). The possibility is established of using the contemporary method of analysis of a tracking system -- the method of logarithmic frequency characteristics, as developed in the Soviet Union, in ac systems.

SO: M-1048, 28 Mar 56

## IDEL'SON, L. A.

"Alignment Exposures and Their Hole in the General Technique of Roentgenological Investigation of the Kidneys and Upper Urinary Tract." Cand Med Sci. Central Sci Res Inst of Roentgenology and Radiology imeni V. M. Molotov, Moscow, 1955. (KL, No 12, Mar 55)

SO: Sum. No. 670, 29 Sep 55-Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (15)

#### IDEL'SON, L.A.

Diagnostic significance of spot radiographs in diseases of the kidneys and ureters. Vest.rent.i rad. no.1:56-60 Ja-F '55. (MJRA 8:5)

1. Is rentgenologicheskogo otdeleniya (sav. kandidat meditsinskikh nauk V.I.Petrov) Moskovskogo oblastnogo nauchno-issledovatel'skogo instituta imeni V.F.Vladimirskogo (dir.P.M.Leonenko).

(KIDHEYS, diseases, diag., x-ray) (URETERS, diseases, diag., x-ray)

IDEL'SON, L.A., kand.med.nauk

Roentgen diagnosis of uropsamus. Urologiia 23 no.2:42-45 Mr-Ap '58.

(MIRA 11:4)

1. Is rentgeno-radiologicheskogo otdela (sav. - kandidat meditsinskikh nauk V.I.Fetrov) i rulologicheskoy kliniki (zav. - prof. A.Ta.Abranyan)

Moskovskogo oblastnogo mauchno-issledovstel'skogo instituta imeni

M.F.Vladimirskogo.

(KIDHNES, calculi
x-ray diag. (Bus))

## IDEL SOH, L.A. kand. med. nauk

Method for double contrasting of the renal cavities in diagnosing "invisible" calculi. Vest. rent. i rad. 36 no.4:82-83 J1-Ag '61. (Mita 15:2)

1. Iz rentgeno-radiologichoskogo otdola (zav. - kand.med.nauk V.I.Petrov) i urologichoskoy kliniki (zav. - prof. A.Ya.Abramyan) Moskovskogo oblastnogo nauchno-issledovatel'skogo klinichoskogo instituta M.F.Vladimirskogo (dir. P.M.Leonenko). (CALCULI, URINANY) (KIDNEES\_REDIOGRAPHY)

PETROV, V.; FOMIN, G.; SHKLOVSKAYA, R.; IDEL'SON, L.; Bazhenova, A.

In memory Lakov Grigor's vich Dillon; on the 10th anniversary of nis death. Vest. rent. 1 rad. 37 no.2:82-83 Mr-Ap '62.

(DILLON, IAKOV GRIGOR'EVICH, d.1951)

(MIRA 15:4)

### IDEL'SON, L.A.

Supplementary method of examination in X-ray diagnosis of kidney tumors. Vop. klin. pat. no.2:123-135 '61 (MIRA 16:12)

1. Iz rentgeno-radiologicheskogo otdela (zav.-starshiy nauchnyy sotrudnik V.I.Petrov) i urologicheskoy kliniki (zav. prof. A. Ya. Abramyan) Moskovskogo oblastnogo nauchno-issledovatel\*sko-go klinicheskogo instituta imeni Vladimirskoge.

IDEL'SON, L.I.

Determination of urinary uropepsin as gastric function test. Terap. arkh. 30 no.2:52-56 F '58. (MIRA 11:4)

1. Iz 4-y kafedry terapii (zav.-chlen-korrespondent AMN SSSR prof.
P.I. Yegorov) TSentral'nogo instituta usovershenstvovaniya vrachey.

(UROPEPSIM. in urine,

determ. as gastric funct. test (Rus)

(STOMACH, function tests,

urinary urocepsin determ. (Rus)

IDEL'SON, L. I., Cand of Med Sci -- (diss) "Vitamin B12 Exchange in Patients With an Increased Secretion of Gastromuycoproterin," Moscow, 1959, 12 pp (Central Institute for the Advanced Training of Physicians) (KL, 6-60, 126)

#### IDEL'SON, L.I.

Absorption of vitamin Bl2 during increased secretion of gastromucoprotein. Probl.gemat. i perel.krovi 4 no.4:25-29 Ap 159. (MIRA 12:6)

1. Iz IV kafedry terapii (sav. - chlen-korrespondent AMN SSSR prof.P.I.Yegorov) TSentral'nogo instituta usovershenstvovaniya vrachey.

(PROTEINS,

gastric mucoproteins in gastric juice, relation to absorption of vitamin Bl2 in peptic ulcer (Rus)) (CASTRIC JUICE.

mucoproteins, relation to vitamin B12 absorption in peptic ulcer (Rus))

(VITAMIN B12, metab.

gastric absorption, relation to gastric juice succeproteins in peptic ulcer (Rus))

(PEPTIC ULCER, metab.

vitamin Bl2 absc ption, relation to mucoproteins in gastric juice (Rus))

Gastrosucoprotein and vitamin B12 in gastric and duodenal ulcers
[with summary in English]. Terap.arkh. 31 no.3:26-32 Mr '59.

1. Is 4-y kafedry terapii (sav. - chlen-korrespondent AMR SSSR prof. P.I. Iegorov) TSentral'nogo instituta usovershenstvovaniya vrachey na base TSentral'noy klinicheskoy bol'nitsy Ministeratva putsy soobshcheniya.

(VITAMIN B12. metab.

blood & urine, in peptic ulcer (Rus))
(GASTRIC JUICE.

mucoproteins, in peptic ulcer (Rus))
(PROTEIES, metab.

mucoproteins in gastric juice in peptic ulcer (Rus))

IDEL'SON, L. I.

Erythropoietic activity of urine in erythremias and anemias. Probl. genat. i perel. krovi no.12:11-16 '61.

(MIRA 15:6)

1. Is gruppy chlen-korrespondenta AMN SSSR prof. P. I. Yegorova na base TSentral'noy klinicheskoy bol'nitsy Ministerstva putey soobshcheniya SSSR.

(URINE) (ANEMIA) (ERYTHREMIA)

IDEL'SON, L.I.; ZHUKOVSKAYA, Ye.D.

Cobalt content in the urine of healthy people. Probl. gemat. i perel. krovi 8 no.7:24-26 Jl '63. (MIRA 17:10)

1. Iz gruppy chlena-korrespondenta AMN SSSR prof. P.I. Yegorova pri Institute terapii (dir. -deystvitel'nyy chlen AMN SSSR prof. A. L. Myasnikov) AMN SSSR nr baze TSentral'noy klincheskoy bol'nitsy Ministeratva putey soobsheleniya SSSR.

## "APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00051832

"Studies of erythropoietic action of cobalt in anemia."

report submitted to 10th Cong, Intl Society of Hematology, Stockholm, Sweden,
30 Aug-4 Sep 64.

Central Hospital, Min of Transport, Moscow.

IDEL'SON, L.I.; KAFAFOVA, D.D.; ZVEREVA, L.A.; GUDIM, V.I.

Urinary excretion of erythropoietin. Probl. gemat. i perel. krovi 9 no.4:18-22 Ap \*64. (MIRA 17:11)

J. Gruppa chlena-korrespondenta AMN SSSR prof. P.I. Yegorova na baze TSentral'noy klinicheskoy bol'nitsy Ministerstva putey soobshcheniya i opytno-proizvodstvennoy laboratorii Vsesoyuznogo instituta eksperimental'noy endokrinologii (dir. - prof. Ye.A. Vasyukova), Moskva.

IDEL'SON, L.I.; ZHUKOVSKAYA, Ye.D.

Erythropoietic effect of cobalt in anemia. Probl. gemat. i perel. krovi 10 no.1:3-10 Ja '65. (MIRA 19:1)

1. Gruppa chlena-korrespondenta AMN SSSR prof. P.I. Yegorova na baze TSentral'noy klinicheskoy bol'nitsy Ministerstva putey soobshcheniya, Moskva.

IDHL'50!, H. 71.

IDEL'SON, MA. YA.

6654 DEL'SON, \*. Ya. \*\*ekhanicheskaya obrabotka trudnoobrabaty vayemyl kh mefallov E., 1954 52 s. s. ill. 20 sm (k-vo transp. mashinostroyeniya SSSR. Vsesoyuz . proyektnotekhnol. in-t VPTI. Zarubezhanya tekhnika. 1000 EKZ B. ts. \*\*a obl. avt. ne ukazan. Bibliogr: 2. 51 (55-3000) 621.9 plus (016.3)

SO KNIZHAHIA LETOPIS NO! 6, 1955

IDEL'SOH, N.H.; SHOR, L.M.

Experience in treating neglected congenital pyloric stemosis.

Pediatriia no.3:69-71 My-Je '55. (NURA 8:10)

1. Iz detskngo spetsializirovannogo o tdeleniya (zav.N.M.

Idel'son, glavmy vrach L.M.Shor) Kaliningradskoy oblastnoy
bol'nitsy.

(PYLORUS, stemosis
congen., surg.indic.)

BULYCHEVA, G.F.; IDEL'SON, N.N.; KNYAZEVSKAYA, Ye.G.; STROYKOVA, A.S.

Experience in the treatment of hypothyroidism in children.

Pediatriia 42 no.8:7-13 Ag\*63 (MIRA 17:4)

1. Iz endokrinologicheskogo otdeleniya 1-y detskoy bol'nitsy (glavnyy vrach - zasluzhemnyy vrach RSFSR A.I. Stepanova) Smol'-ninskogo rayona Leningrada (nauchnyye rukovoditeli - prof. V.G. Baranov i prof. A.F. Tur.)

. EE

44<u>7.6</u>2

# Analysis of butyl aerofleats and their mixtures with xanthegenate. TSvet.met 29 ne.9:11-18 8 '56. (MERA 9:9) 1.Gesudarstvennyy Institut tsvetnyth metallev. (Chemistry, Analytic-Quantitative) (Fletation)

AUTHORS: Idel'son, Ye.M. and Livshits, A.K.

SOV/136-58-5-2/22

TITLE:

Gas Evolution from Diaryldithiophosphates (Phenol Aerofloats) (Vydeleniye gazov iz diarilditiofosfatov

(fenol'nykh aeroflotov) )

PERIODICAL: Tsvetnyje Metally, 1958, Nr 5, pp 8 - 13 (USSR)

ABSTRACT: The object of the work described was to find the conditions under which hydrogen sulphide and other toxic gases are evolved from aerofloat. The experiments were carried out with and without the addition of various materials which might be expected to stimulate gas evolution. A stream of air or nitrogen was passed through the test liquid, the temperature being varied in the range 20 - 60 °C. Comparative tests were carried out with the ordinary cresyl and xylene as well as the ammonia-cresyl and ammonia-xylene aerofloats, whose production is now being undertaken. The toxic action of the evolved gas is attributed to the presence in it of hydrogen sulphide, no hydrogen arsenide being found in the gas and very little, if any, hydrogen phosphide. It was found that contamination of the aerofloat (especially with water) and heating increased hydrogen-

Card 1/2 sulphide evolution; that the presence of precipitates of

Ges Evolution from Diaryldithiophosphates

SOV/136-58-5-2/22

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unreacted phosphorus pentasulphide had this effect only at temperatures over 50 °C and that hydrogen sulphide dissolved in the aerofloat is removed by heating to 140 °C (in the absence of phosphorus pentasulphide or impurities promoting the decomposition of the aerofloat). The importance is indicated of protecting stored aerofloat from heat and contamination and of albering to the safety instructions in supplement Nr 1 to order Nr 190 of the former Ministry of Mon-ferrous Metallurgy of the USSR dated May 20, 1954. Hydrogen-sulphide evolution from the ammonia aerofloats was found to be non-existent or 30-100 times less than from the ordinary cresyl and xylene aerofloats. There are 6 figures, 3 tables and 3 Soviet references.

ASSOCIATION:

Gintsvetmet

Card 2/2

1. Diaryldithiophosphates--Properties 2. Hydrogen sulfides -- Production 3. Poisonous gases-- Production

IDEL'SON, Ye. M.

Determining moisture content in xanthegenetes by the volumetric analysis of gas. Biul. TSIIH tavet. met. no. 7:15-17 158.

(NIRA 11:7)

(Titration)
(Xanthic acid)

GEL'PERIN, N.I.; IDEL'SON, Ye.M.; LIVSHITS, A.K.; ZIL'BERG, V.I.; BORISENKO, A.T.; GABRIYELOVA, L.I.

Improving methods of xanthate production. Report no.1: Preparation of potassium and sodium butyl and theyl xanthates from anhydrous alcoholates. Sbor.nauch.trud.GINSTVETMET no.16:153-169 159.

(Xanthic acid)

(Alcoholates)

(MIRA 14:4)

GEL PERIN, N.I.; IDEL SON, Ye.M.; LIVSHITS, A.K.; BORISENKO, A.T.; GABRIYELOVA, L.I.; ZIL BERG, V.I.

Improving methods of manthate production. Report no.2: Preparation of potassium and sodium isobutyl and isoamyl manthates from practically anhydrous alcoholates. Sbor.nauch.trud.GINTSVETMET no.16:170-179
159. (MIRA 14:4)

(Xanthic acid)

(Alcoholates)

IDEL'SON, Ye.M.; GEL'PERIN, N.I.; LIVSHITS, A.K.; GABRIYELOVA, L.I.

Improving method of xanthate production. Report no.31 Obtaining high-quality xanthates from water-alcohol alkali solutions. Sbornauch.trud.GINTSVETMET no.16:180-190 159. (MIRA 14:4)

(Xanthic acid)

IDEL'SON, Ye.M.

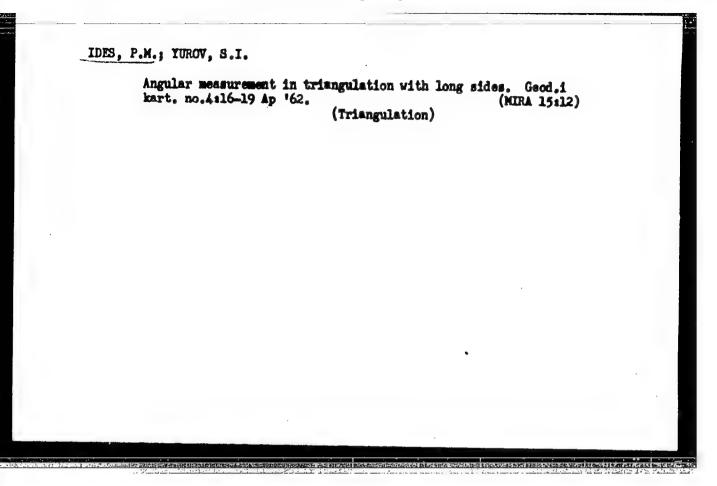
Determination of carbon disulfide present in the reaction mixture used in the synthesis of xanthogenate. Zav.lab. 26 no.8:947-948 (HIRA 13:10) 160.

1. Gosudarstvennyy nauchno-issledovateliskiy institut tsvetnykh metallow.
(Carbon disulfide) (Xanthic acid)

GEL PERIN, N.I.; IDEL SON, Ye.M.; LIVSHITS, A.K.; BORISENKO, A.T.; ZIL BERG, V.I.

Improved method for the production of xanthates. Report no.4: Preparing xanthates by the continuous method from isobutyl, butyl SK, and isopropyl alcohol. Sbor. nauch. trud. Gintsvetmeta no.19:255-262 162. (MIRA 16:7)

(Yanthic acid)



ALEKSANDROVA, V.P.; BEREZINA, N.X.; BERNSHTEYN, A.I.; BERNSHTEYN, S.E.;
BLOKH, R.L.; ZIMKOVETSKAYA, T.S.; IDESIS, Ye.S.; SHOLENKOVA, O.N.;
TOSHINSKIY, I.I.; TSARFIS, P.G.; SHABAD, Ye.T.; SHEYNBERG, O.A.

Professor E.IA. Stavskaia; obituary. Vop. kur., fizioter. i lech.
fiz. kul't. 26 no. 2:191 Mr-Ap '61. (MIRA 14:4)

(STAVSKAIA, EVGENIIA IAKOVLEVNA, 1892-1960)

KATSENOVICH, A.L., prof.; IDESSIS, I.G.

。 (1917年) - 1918年 | 1

Treatment of typhoid and paratyphoid diseases by a combination of small doses of antibiotics. Med. zhur. Uzb. no.3:32-37 Mr ¹61.

(MIRA 14:5)

l. Iz kafedry infektsionnykh bolezney sanitarno-gigiyenicheskogo i pediatricheskogo fakul'tetov Tashkentskogo gosudarstvennogo meditsinskogo instituta.

(TYPHOID FEVER) (PARATYPHOID FEVER)

(ANTIBIOTICS)

# Effect of ipamine on the content and composition of free sugars and amino acids in the cotton plant. Vop.biol.i kraev.med. no.3: 127-131 '62, (MIRA 16:3) (COTTON)

IDIATULINA, A.F.

Effect of simazine on some physiological and biochemical processes in cotton. Yop. biol. i kraev. med. no.4:22-24 (MIRA 17:2)

17.1202 26.5500

\$/147/61/000/004/015/021 E194/E135

AUTHORS:

Fedorov, I.G., Shchukin, V.K., Mukhachev, G.A., and

Idiatullin, N.S.

TITLE:

Heat transfer and hydraulic resistance of channels

with pressed spherical projections

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy,

Aviatsionnaya tekhnika, no.4, 1961, 120-127

Plate type heat exchangers are particularly suitable TEXT: for aviation because of their small size and weight. Sheets with pressed projections are particularly useful because the projections increase the strength and improve the cooling. V.G. Fastovskiy and Yu.F. Petrovskiy (Ref.4: Teplocnergetika, no.1, 1959) made an experimental study of a heat exchanger in which the rectangular ducts had spherical projections on the air side and hollows on the steam side. The work showed that the heat transfer coefficient of such surfaces was greater by a factor of 2.5-2.8 than for smooth surfaces. The improvement is attributed to increased turbulence of the flow. The work described here was

Heat transfer and hydraulic ....

S/147/61/000/004/015/021 E194/E135

carried out on rectangular ducts consisting of two plates with spherical projections. The projections were of various transverse pitch and were located both in honeycomb and straight line order. The main characteristics of the ducts are given in the table. The relationship Nu = f(Re) was investigated in the range of Reynolds numbers 1000 to 16500, and g = f(Re) in the range Re = 500 to 18000. The experimental rig is described. The water sides of the heat exchangers were filled to one third of their height with distilled water and electric heaters were installed to evaporate the water. The water vapour condensing on cooling surfaces gives up its latent heat of vapourisation to a flow of air passing through the ducts of the heat exchanger. The usual measurement arrangements were made. Each of the four bundles described in the table was investigated under about twenty conditions with different rates of air flow covering the Reynolds number range from 500 to 18000; in each case the measurements were repeated after 15-20 minutes. A procedure was worked out and the operation of the equipment was checked by using a smooth-walled plate-type heat exchanger. Further tests Card 2/6

\$/147/61/000/004/015/021 Heat transfer and hydraulic ... E194/E135

showed that the heat balance error calculated from the input to the internal heater and from the change in enthalpy of the cooling air is about 6-10%. The r.m.s. error of the determination of air flow, and of the Re and Nu numbers and of the resistance coefficient are, respectively, 2.2, 2.5, 4.5 and 5%. Heat transfer results are well represented by the following equations.

With honeycomb arrangement:

$$Nu_{f} = 0.54 \times 10^{-4} Re_{f}^{1.55}$$
 (Re = 1000-2300), (3)

$$Nu_{f} = 0.95 \times 10^{-3} Re_{f}^{1.17}$$
 (Re = 2300-10000), (4)  
 $Nu_{f} = 0.0276 Re_{f}^{0.8}$  (Re = 10000-16500). (5)

$$Nu_{\hat{f}} = 0.0276 \text{ Re}_{\hat{f}}^{0.8}$$
 (Re = 10000-16500). (5)

With the In-Line arrangement:

$$Nu_{f} = 0.44 \times 10^{-4} Re_{f}^{1.55}$$
 (Re = 1000-2300), (6)

Card 3/6

S/147/61/000/004/015/021 Heat transfer and hydraulic ... E194/E155

$$Nu_{f} = 0.8 \times 10^{-3} \text{ Re}_{f}^{1.17}$$
 (Re = 2300-10000), (7)

$$Nu_f = 0.0248 \text{ Re}_f^{0.8}$$
 (Re = 10000-16500). (8)

The results show that for given values of the Reynolds number the Nu criterion is 15-20% higher in bundles with honeycomb arrangement of projections than those with the in-line arrangement. The Nu criterion of the bundles is greater by a factor of 2.1-1.65 than the Nu criteria for a bundle of flat sheets in the Re number range 2500-16500. These results are not entirely in line with those given in Ref. 4, and the reasons for this are discussed. The following expressions adequately represent the results of resistance tests:

$$\dot{\xi} = \frac{A}{(Re^{0.30})} \qquad (Re = 500-2300), \tag{9}$$

 $\xi = \frac{B}{Re^{0.089}}$  (Re = 2300-18000). (10)

Card

Heat transfer and hydraulic ...

5/147/61/000/004/015/021 E194/E135 .

The values of the coefficients A and B in Eqs (9) and (10) are given in the table. The results show that ducts with spherical projection have higher resistance than do smooth ducts, the actual amount depending upon the pitch and arrangement of the projections. There are 3 figures and 1 table.

ASSOCIATION: Kafedra teplovykh dvigateley, Kazanskiy aviatsionnyy institut (Department of Heat Engines, Kazan' Aviation Institute)

SUBMITTED: March 10, 1961

Key to Table Headings: (1) Number of bundle; (2) Arrangement of projections; (3) Shape of duct; (4) Length of bundle, mm;

(5) Height of bundle, mm; (6) Equivalent diameter down mm; (7) Transverse pitch S1, mm; (8) Longitudinal pitch S2, mm;

(9) Coefficient A; (10) Coefficient B.

Card 5/6

# 2/, 2000 CIA-RDP86-00513R0005 APPROVED FOR RELEASE: Thursday, July 27, 2000 E194/E454

24.5200

AUTHORS:

Fedorov, I.G., Engineer, Idiatullin, N.S., Engineer,

Shchukin, V.K., Candidate of Technical Sciences, Mukhachev, G.A., Candidate of Technical Sciences

Heat transfer and hydraulic resistance of slot shaped ducts with conical indentations in honeycomb arrangement TITLE:

PERIODICAL: Teploenergetika, no.6, 1962, 57-60

Heat transfer and air resistance tests were made on a plate type heat exchanger with ducts 3 mm wide, 145 mm high and The ducts were made of 0.5 mm sheet in which had been pressed indentations in the shape of truncated cones with a base diameter of 6.5 mm, cone angle of 30° and height of 1.5 mm, The tips of the arranged in honeycomb order at various pitches. cones of one plate were in contact with the corresponding tips of indentations in the opposite plate of the duct. soldered together at the edges and with fixing flanges attached formed the test bundles. Electrically heated water supplied heat to the test bundle and it was removed by a flow of air. arrangements are described. The tests were carried out with a Card 1/3

Heat transfer and hydraulic ,...

S/096/62/000/006/009/011 E194/E454

constant wall temperature of 110°C with an inlet air temperature of 22 to 23.5°C and a discharge air temperature ranging from 91 to 106°C, the mean air pressure in the duct was 1.01 to 1.23 kg/cm², the air flow 2 to 92 kg/hour and the specific thermal loading (0.18 to 11.6) x 10<sup>3</sup> kcal/m² hour. The difference between the heat input to the heaters and the heat gained by the air was 6 to 10%. The methods used to check the equipment are described. For all the investigated ducts the experimental points lie within ± 6% of three straight lines of various slopes. The following equation applies for Reynolds numbers Re = 750 to 2500

$$Nu_{f} = 0.155 \times 10^{-3} \text{ Re}_{f}^{1.41}$$
 (1)

for Re = 2500 to 10000

$$Nu_{f} = 1.017 \times 10^{-3} Re_{f}^{1.17}$$
 (2)

and for Re = 10000 to 18000

$$Nu_{f} = 0.0315 \text{ Re}_{f}^{0.8}$$
 (3)

Card 2/3

Heat transfer and hydraulic' ...

S/096/62/000/006/009/011 E194/E454

For Reynolds numbers of 2000, 4000 and in the range from 10000 to 18000 the Nusselt criterion for ducts with conical indentations is greater than for a smooth duct by 2.0, 1.62 and 1.75 times respectively. The surface increase caused by the indentations ranges from 5 to 10% so the main cause of greater heat exchange with indentations is increased turbulence of flow. The resistance of the ducts was measured under both isothermal and nonisothermal conditions and the results are given in the form of empirical formulae with constants tabulated for ducts of different shape and pitch. There are 3 figures and 1 table.

ASSOCIATION: Kazanskiy aviatsionnyy institut (Kazan' Aviation Institute)

Card. 3/3

BORDFOVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R000513320

Investigating models of exhaust noise silencers for gas turbine plants. Sudostroenie 30 no.2:26-27 F '64. (MIRA 17:4)

IDINA, M.S.

Method for studying the duration of survival of Shigella dysenteriae in the external environment. Zhur.mikrobiol.coid. i immun. no.1:71-76 Ja '58. (MIRA 11:4)

l. Iz Instituta epidemiologii, mikrobiologii i gigiyeny imeni Pastera.

(SHIGELIA DYSENTERIAE, survival, investigation method (Rus)

# IDINA.M.S.

Study of the duration of retention and the quantity of dysenteryx microbes on objects of daily use in an experiment with naturally infected excrements of patients. Trudy Len. inst.epid. i microbiol. 18:256-270'58. (MIRA 16:7)

1. Iz laboratorii kishechnykh infektsiy Leningradskogo instituta epidemiologii, mikrobiologii i gigiyeny imeni Pastera (zav. B.M. Novgorodskaya)

(DYSENTERY-MICROBIOLOGY)

17(2,6)

SOV/16-59-9-38/47

AUTHOR:

Idina, M.S. --

TITLE:

A Method of Determining the Efficacy of the Various Methods of Dysentery Disinfection. Author's Summary

PERIODICAL:

Zhurnal mikrobiologii, epidemiologii i immunobiologii, 1959, √.30 Nr 9, pp 132 (USSR)

ABSTRACT:

The author made a check to determine whether her quantitative microbiological method (explained in "Zhurnal mikrobiologii, epidemiologii i immunobiologii", 1958, Nr 1) for establishing the length of preservation of Shigella dysenteriae on common objects, contaminated with the excretia of dysentery patients, could be used for testing the efficacy of various methods of dysentery disinfection. Several types of liquid disinfection with chloramine were tried out and the results indicated that the quantitative microbiological method was effective and accurate.

Card 1/2

## "APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00051832

A Method of Determining the Efficacy of the Various Methods of Dysentery Disin-

ASSOCIATION:

Leningradskiy institut epidemiologii i mikrobiologii imeni Pastera (Institute of Epidemiology and Microbiology imeni Pasteur,

SUBMITTED:

March 2, 1959

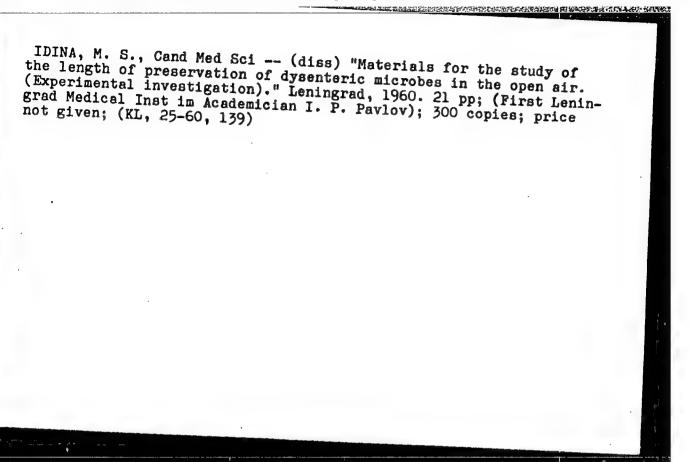
Card 2/2

# IDINA, M.S.

Duration of survival of dysenterial bacilli in feces. Zhur.mikrobiol.,epid.i immun. 30 no.12:91-95 D 159. (MIRA 13:5)

l. Iz Leningradskogo instituta epidemiologii i mikrobiologii imeni Pastera.

(FECES microbiol.)
(SHIGHLA)



Studying the length of preservation and the quantity of dysentery germs on objects in an experiment with naturally infected feces of patients. Zhur. mikrobiol. epid. i immun. 31 no. 5:109-110 My '60. (MIRA 13:10)

1. Iz Heningradskogo instituta epidemiologii, mikrobiologii i gigiyeny im. Pastera. (SHIGELLA PARADYSENTERIAE)

PODOPLEKIN, V.D.; IDINA, M.S.

Isolation of ECHO viruses from man and their identification by the haemagglutination inhibition test. Acta virol. 7 no.3: 233-240 My 163.

1. The Pasteur Institute of Epidemiology and Microbiology, Leningrad, U.S.S.R. (ECHO VIRUSES)

(ENTEROVIRUS INFECTIONS)

(HEMAGGLUTINATION INHIBITION TESTS) (DIAGNOSIS)

# IDINA, M.S.

Quantitative microbiological study as a method for the evaluation of the effectiveness of various disinfection methods used in dysentery. Trudy Len. inst. epid. i mikrobiol. 24:163-182 '63. (MIRA 18:10)

1. Iz laboratorii kishechnykh infektsiy (zav.- prof. E.M. Novgo-rodskaya) Instituta epidemiologii i mikrobiologii imeni Pastera.

# "APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00051832

RODSHTEYN, O.A.; IDINA, M.S.

Results of the microbiological, virological and clinical studies of acute intestinal diseases in infants. Report No.1: Results of microbiological and virological examinations of infants nospitalized for acute intestinal disorders. Trudy Len. inst. epid. i mikrobiol. 26:173-180 164. (MIRA 18:12)

# PODOPLEKIN, V.D., IDINA, H.S.

Hemagglutinating properties of enteroviruses and use of the hemagglutination reaction and the hemagglutination inhibition test for practical purposes. Report Mo.3: Results of the study of the hemagglutinating activity of freshly isolated viruses from the ECHO group and possibilities for the practical use of hemagglutination tests. Trudy Len. inst. epid. 1 mikrobial 26:284-298 \*64.

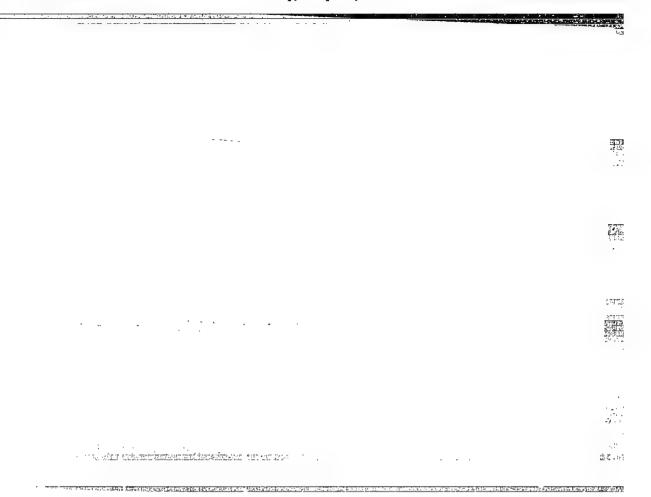
(MIRA 18:12)

IDINA, M.S.; RODSHTEYN, O.A.; POLOPLEKIN, V.b.

Results of the microbiological, virological and clinical studies of acute intestinal diseases in infants. Report No.2: Identification of cytopathogenic agents isolated from the intestinal tract of children hospitalized for acute intestinal disorders.
Trudy Len. inst. epid. i mikrobiol. 26:181-198 '64.

(MIRA 18:12)

1. Iz laboratoriy kishchenykh infektsiy i poliyemiyelita Instituta imeni Pastera, Leningrad 1 kafedroy pediatrii I Leningradskogo meditsinskogo instituta imeni akademika Paylova.



#### PHASE I BOOK EXPLOITATION

SOV/5112

# Idlin, Mikhail Markovich, and Nikolay Danilovich Safonov

Osnovy sborki, regulirovki, i kontrolya aviatsionnykh elektrogiroskopicheskikh priborov (Principles of the Assembly, Regulation, and Checking of Aircraft Gyroelectrical Instruments) Moscow, Oborongiz, 1960. 354 p. Errata slip inserted. 6,500 copies printed. (Series: Bibliotechka rabochego aviatsionnoy promyshlennosti)

Ed. (Title page): G. A. Slomyanskiy, Candidate of Technical Sciences.
Docent; Reviewer: V. I. Bostorin, Docent; Ed. of Publishing House:
F. G. Tubyanskaya; Tech. Ed.: N. A. Pukhlikova; Managing Ed.:
S. D. Krasil'nikov, Engineer.

PURPOSE: This book is intended for students of production engineering courses, for engineering schools for foremen who lack higher education, and as an aid in training and improving the qualifications of electrical instrument fitters.

Card 1/13

#### APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R0005

Principles of the Assembly (Cont.)

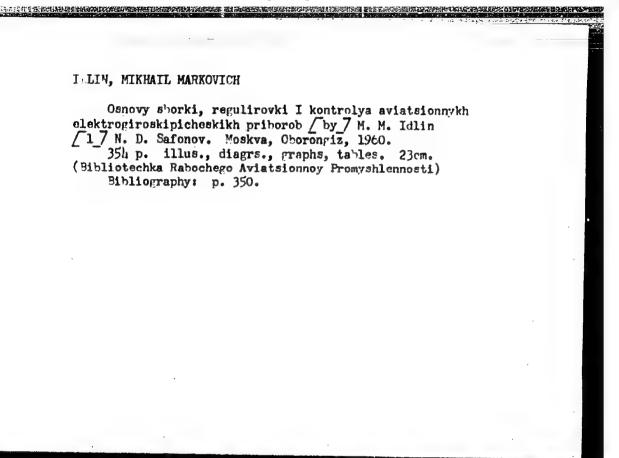
SOV/5112

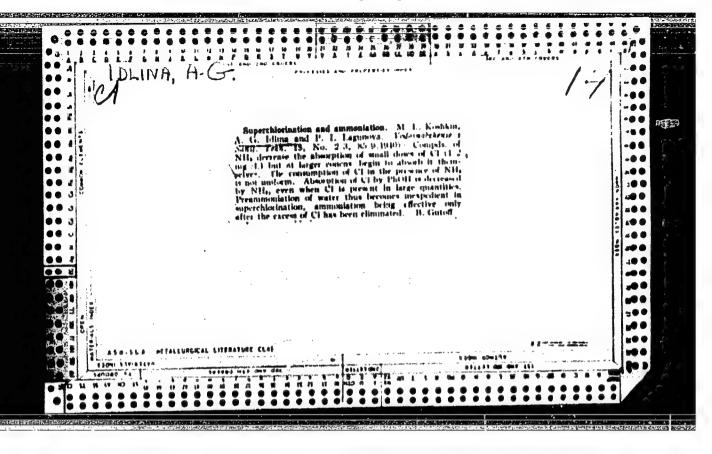
COVERAGE: The book examines the fundamentals of the assembly process of gyroelectrical instruments, with a brief review of basic information on mechanics and electricity. Results of the experience of industrial innovators and the personnel of a number of leading instrument plants are included. The authors thank M. P. Kovalev, Candidate of Technical Sciences, and V. I. Bostorin, Engineer. There are 19 references, all Soviet.

#### TABLE OF CONTENTS:

Introduction		
ch. I. 2. 3. 4.	Some Information on Mechanics Mechanical motion. Inertia. Force. Equilibrium of forces. Mass Scalar and vectorial values Composition and resolution of parallel forces Rotary motion. Angular velocity. Angular velocity of the diurnal rotation of the earth	5 9 11

Card 2/13





DLIMA, A-G KOSHKIN, M.L., professor; GIL', S.A., dotsent; IDLINA, A.G., kandidat meditsinskikh nauk Catarrh of the upper respiratory tract in premature infants in wards irradiated with ultraviolet rays. Pediatriia no.1:8-15 Ja-7 155. (HIRA 8:5) 1. Iz kafedry obshchey gigiyeny Khar'kovskogo meditsinskogo instituta (dir. dotsent I.F.Kononenko) i otdela fiziologii rebenka Ukrainskogo instituta okhrany materizetva i mladenchestva imeni M.K.Krupskoy (dir. kandidat meditsinskikh nauk A.I.Kornikova). (RESPIRATORY TRACT, diseases, in premature inf., prev. by ultraviolet irradiation of tents) (ULTRAVIOLET RAYS, prev. of resp. tract dis. in premature inf., irradiation of tents)

KOSHKIN, M.L., prof.; SHEYNIN, B.Ya., kand.med.nauk; IDLINA, A.G., kand.med.nauk; DUDCHENKO, I.I.

Natural ultraviolet radiation inside buildings and the disinfectant effect of daylight. Vrach.delo no.1:69-72 Ja 158. (NIRA 11:3)

1. Kafedra obshchey gigiyeny Khar'kovskogo meditsinskogo inst. (AIR--PURIFICATION) (UMTRAVIOLET RAYS)

```
KOSHKIL V., prof. DLIMA, A.G., kand, med, nauk, ROYTMAN, T.A., KHODOVA, R.Z.

MIDCHEMKO, I.I.

Effect of BUV-15 lamps on children of kindergarten age [with
summary in English]. Pediatriis 36 no.6167-73 Je '58 (MIRA 1116)

1. Is kafedry obshibny gigiyeny Khar'kovskogo meditsinskogo
instituts i Khar'kovskogo oblastnogo doma rebenka Mo.1.

(ULITRAVIOLET RAYS, eff.

indirect, on bhild develop. (Rus))

(ANTISEPTSIS AND ASRPSIS,

ultraviolet irradiation in prev. of aerogenic infect.
in schools (Rus))

(AIR, microbiology,

ultraviolet prev. of aerogenic infect. in schools (Rus))
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IDLIS, A.A.

Effect of changes in the carbohydrate-phosphorus metabolism on cardiac activity. Fiziol. zhur. [Ukr.] 9 no.2:235-239 Mr-Ap 163. (MIRA 18:3)

1. Iaboratoriya normal'noy fiziologii Instituta gerontologii i eksperimental'noy patologii AMN SSSR, Kiyev.

IDLIS, G. M.		FA 2341	
234759	tional parameter. Thus tes were formed from dliftes were formed from dlifterion of tidal stabilitier of the stabilitier of the stability of th	ation of C of Distri ilis, Inst Zhur" Vol	USSR/Astronomy - Planets, Formation of Sep/Oct 52

IDIAL, O. M.

UBBR/Astronomy - Planetary Distances Nov/Dec 52

"Problem of Law of Planetary Distance," G. M. Idlis, Inst of Astrophys, Acad Sci Kazakh SSR

"Astron Zhur" Vol 29, No 6, pp 694-707

Criticizes the law derived by Acad O. Yu. Shmidt for computation of radius of planetary orbit and considers agreement with real data coincidental. Concludes that only the law by V. G. Fesenkov is well derived and has phys meaning. Submitted 20 Aug 52.

239180

7 tribution of Globular Clusters in Galaxies and of Stars in Globular Clusters, "G. M. Idlis, Astrophys ular satellites, stars, or globular clusters. arise as a result of gravitational condensation and a - a numerical coef around 10) of tidal collection of individual stars. DAM SSSR, Vol 91, No 6, pp 1305-1308 sented by Acad V. G. Fesenkov 26 Jun 53. of diffuse matter, whether planets, their regspatial distribution of any celestial bodies that stability permits one to explain the observed distance from the disturbing body with mass Mo. V. G. Fesenkov's criterion &= aMo/R3 (delta arose by way of the condensation of certain scat-tered matter, which disintegrated afterwards USER/Astronomy - Clusters density of the individualized satellite, R - its within the limits of each cluster into a large 6, 492 (1951), that globular stellar clusters States, after V. G. Fesenkov (Astron Zhurnal) Inst, Acad Sci Kazakh SSR "Criterion Governing Tidal Stability, and Dis-Concludes that 21 Aug 53 27915 IDFIZ' C' N'

Subject : USSR/Astronomy

AID - P-65

Card

Isild, G. H.

1/1

Author

Idlis, G. M.

Title

On the Question of the Aberration of Light

Periodical

: Astron. zhur., V. XXXI, 1, 81-84, Ja - F 1954

Abstract

A systematic criticism of the discussion by S. B. Luk'yanov "Aberration of Light" (Ibid 30, No. 3, 302-314, 1953), which is based on the works of V. Pauli and P. G. Bergman. Bibliography: 9 references given, of which 8 are Russian.

Institution: Astrophys. Institute, Academy of Sciences of Kaz SSR

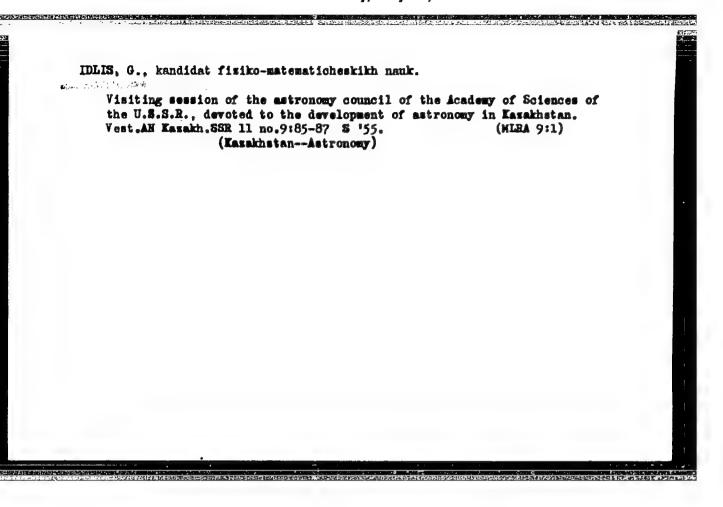
Submitted

: November 9, 1953

IDLIS, G. M.

"Cosmic Force Fields and Certain Problems of the structure and Evolution of Galactic Material." Cand Phys-Math Sci, Moscow Order of Lenin State U imeni M. V. Lomonosov, 19 Jan 55. (VM, 10 Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (13) SO: Sum. 598, 29 Jul 55



# "APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00051832

LOLIS, G.M.

USSR/ Astronomy - Star velocities

Card 1/1

Pub. 22 - 7/60

Authors

Idlis, G. M.

Title

The effect of galactic structure on the dispersion of peculiar velocities of the stars and interstellar clouds

Periodical :

Dok. AN SSSR 100/4, 635-638, Feb 1, 1955

Abstract

A non-uniform distribution of masses in the galaxies and its effect on the dispersion of the peculiar velocities of galactic stars and star clouds is discussed. L. Spitzer and M. Schwarshild give a formula which helps to determine the velocity of a star, if one knows the star's age  $\mathcal{T}$  , namely:  $V(\mathcal{T}) = Vo(it \mathcal{T}_{L_p})$  where  $t_2 = \frac{4V_p}{2\pi L_p}$ .  $t_2 = \frac{4V_p}{2\pi L_p}$ .  $t_3 = \frac{4V_p}{2\pi L_p}$  is the gravitational constant, m is the Mass of disturbing bodies and n is their number. The article considers the age of the galaxies to be of the order of  $< 10^{10}$  years. The F stars are considered as younger stars. The F for them has been calculated. It is  $t_2 = 2.10^{10}$  years. Thirty references: 21 USSR, 4 USA, 1 Japanese, 3 German and 1 Sweed. (1926-1954). Tables.

Institution :

Acad. of Scs., USSR, Astrophysical Institute

Presented by:

Academician V. C. Fesenkov, September 27, 1954

## "APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00051832

Astronomy - Prominences USGR/

Card 1/1 Pub. 22 - 14/53

Authora Idlis, G. M.; Karimov, M. G.; Delone, A. B.; and Obashev, S. O.

Title Determination of the intensity of the magnetic field in prominences by

the movement of nodes on the picture plane

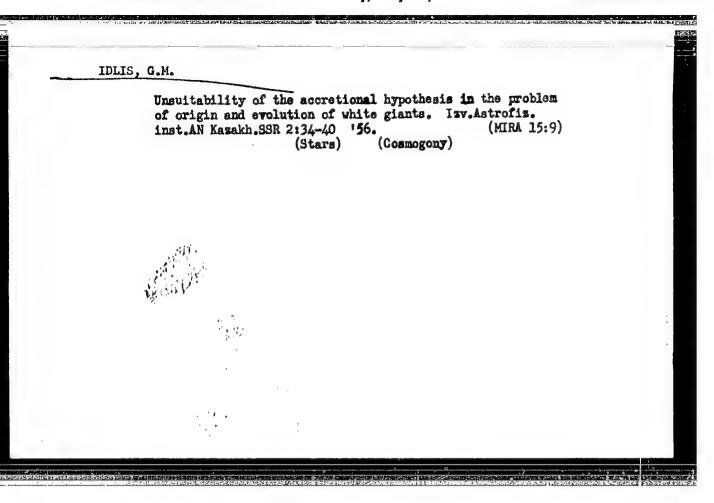
Dok. AN SSSR 102/4, 707-710, Jun 1, 1955 Periodical : -

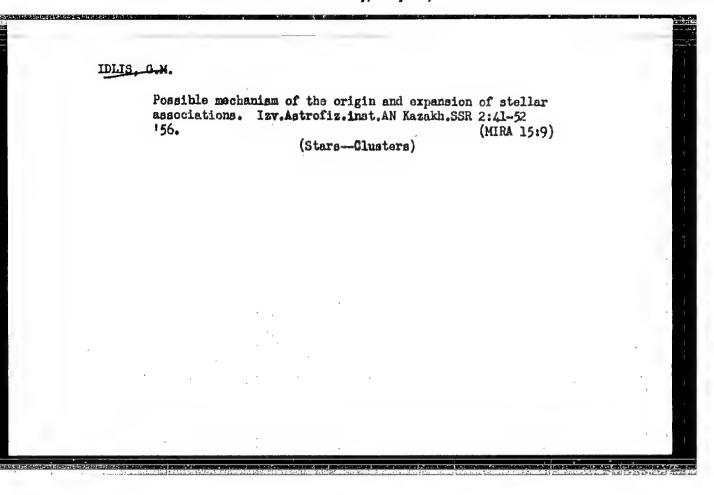
Abstract Various methods of determining the magnetic field inside prominences are analyzed. Eight references: 3 USA and 5 USSR (1949-1953). Table.

Institution: The Acad. of Sc., Kaz. SSR, Astrophysical Institute, Alma Ata

Academician V. G. Fesenkov, February 21, 1955 Presented by:

> CIA-RDP86-00513R00051832( APPROVED FOR RELEASE: Thursday, July 27, 2000





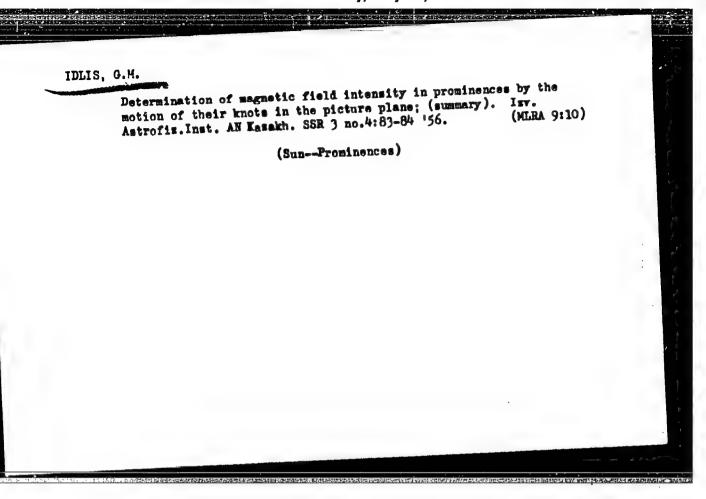
IDLIS, G.M.; KARIMOV, M.G.; DELONE, A.B.; OBASHEV, S.O.

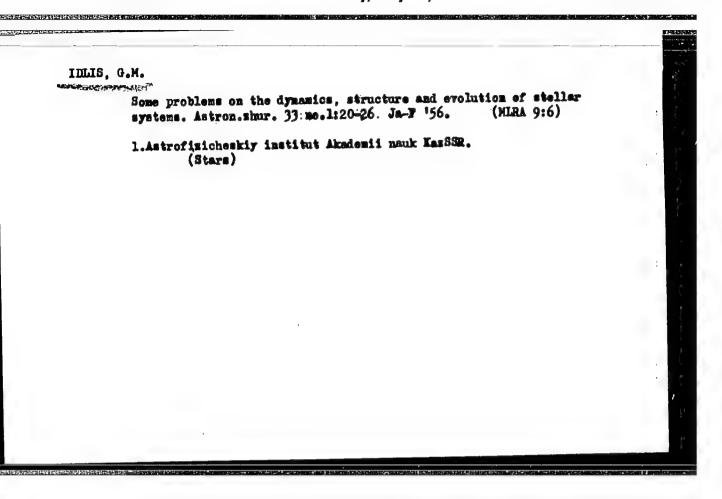
Determining the intensity of the magnetic field in prominences on the basis of investigation of their internal movements. Izv.Astrofiz.inst.AN Kazakh.SSR 2:71-96 '56. (MIRA 15:9) (Sun-Prominences) (Magnetic fields (Cosmic physics))

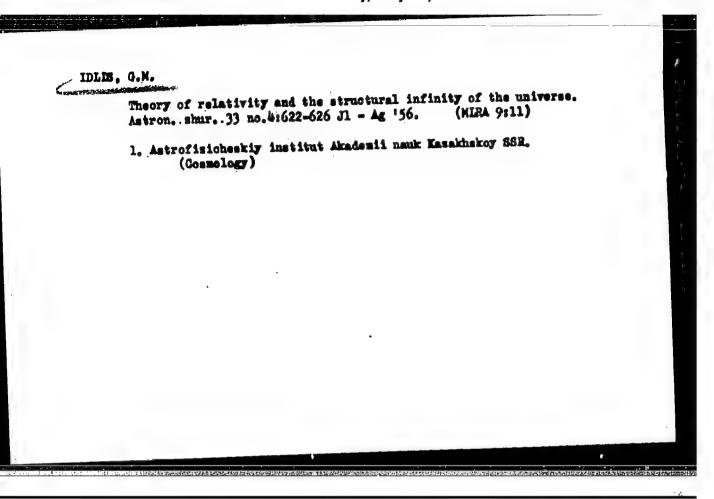
Froblem of the origin and evolution of hot giants: (summary).

Isv.Astrofis.Inst. AN Issakh. SSR 3 no.4:71-72 '56. (MLRA 9:10)

(Stars-Classification)







IDLIS, G, DORRUNOV, L.

"Trudy" of the Astrobotany Sector of the Academy of Sciences of the Kasakh SSR, Volumes 3 and \$. Reviewed by G. Idlis. L. Dobrunov. Astron. shur. 33 no.41635-639 JI - Ag '56.

(Mars-Spectra) (Finrality of worlds)

# IDLIS G.M.

Theoretical estimate of the least possible stellar mass. Dokl. AN SSSR 106 no.3:405-407 Ja 156. (NLRA 9:6)

1.Astrofizioheskiy institut Akademii nauk KasSSR. Predstavleno akademikom V.G. Pesenkovym.
(Stars--Masses) (Sun)

DLIS. Grigoriy Moiseyevich, starshiy nauchnyy sotrudnik; PESENKOV, V.G., akademik, otverstvennyy redaktor; PEREL', Yu.G., redaktor izdatel'stva; HOVIKOVA, S.G., tekhmicheskiy redaktor

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